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\*Admitted only in Virginia  
\*Practice Limited to  
Federal Agencies

May 31, 2007

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Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**Art Unit 2686**

**Attn: Certificate of Correction Branch**

Re: U.S. Utility Patent  
Patent No. 7,209,725; Issued: April 24, 2007  
For: **Analog Zero IF FM Decoder and Embodiments Thereof, Such As The  
Family Radio Service**  
Inventors: Sorrells *et al.*  
Our Ref: 1744.0250001

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Request for Certificate of Correction Under 37 C.F.R. § 1.322; and
2. Form PTO/SB/44 (45 sheets).

The above-listed documents are filed electronically through EFS-Web.

In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE KESSLER, GOLDSTEIN & FOX P.L.L.C.

Michael Q. Lee  
Attorney for Patentees  
Registration No. 35,239

MQL/ahw  
Enclosures

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of:  
Sorrells *et al.*  
Patent. No.: 7,209,725  
Issued: April 24, 2007

For: **Analog Zero IF FM Decoder and  
Embodiments Thereof, Such As  
The Family Radio Service**

Confirmation No.: 7304  
Art Unit: 2686  
Examiner: Naghmeh Mehrpour  
Atty. Docket: 1744.0250001

**Request for Certificate of Correction  
Under 37 C.F.R. § 1.322**

*Attn: Certificate of Correction Branch*

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

It is hereby requested that a Certificate of Correction under 37 C.F.R. § 1.322 be issued for the above-captioned United States Patent. This Certificate of Correction is being requested due to mistakes which appear in the printed patent. These mistakes were made by the U.S. Patent and Trademark Office.

Specifically, the printed patent contains the following errors for which a Certificate of Correction is respectfully requested:

Title page, item [56], References Cited section, please add the cited references in the attached PTO/SB/44 form. These references were filed at the PTO in the following manner: Information Disclosure Statement filed January 11, 2002, Third Supplemental Information Disclosure Statement filed July 11, 2003, Fourth Supplemental Information Disclosure Statement filed September 3, 2003, Sixth Supplemental Information

Disclosure Statement filed July 13, 2006, Eighth Supplemental Information Disclosure Statement filed May 7, 2005, Ninth Supplemental Information Disclosure Statement filed October 19, 2005, Eleventh Supplemental Information Disclosure Statement filed May 8, 2006, Thirteenth Supplemental Information Disclosure Statement filed November 7, 2006, and Notice of References Cited dated July 25, 2006. All references were visibly initialed by Examiner except for those in Third Supplemental Information Disclosure Statement. It was ambiguous from the file wrapper whether the Examiner considered the Third Supplemental Information Disclosure Statement.

### ***Remarks***

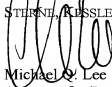
The above-noted corrections do not involve such changes in the patent as would constitute new matter or would require reexamination.

A completed Form PTO/SB/44 accompanies this request, with the above-noted corrections printed thereon. Accordingly, a Certificate of Correction is believed proper and issuance thereof is respectfully requested.

The Commissioner is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Michael Q. Lee  
Attorney for Patentees  
Registration No. 35,239

Date: 6/4/07

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

### Title Page, Item [56], U.S. PATENT DOCUMENTS Section

Please add the following references:

2,057,613	10/1936	Gardner
2,241,078	05/1941	Vreeland
2,270,385	01/1942	Skillman
2,283,575	05/1942	Roberts
2,358,152	09/1944	Earp
2,410,350	10/1946	Labin <i>et al.</i>
2,451,430	10/1948	Barone
2,462,069	02/1949	Chatterjea <i>et al.</i>
2,462,181	02/1949	Grosselfinger
2,472,798	06/1949	Fredendall
2,497,859	02/1950	Boughtwood <i>et al.</i>
2,499,279	02/1950	Peterson
2,530,824	11/1950	King
2,802,208	08/1957	Hobbs
2,985,875	05/1961	Grisdale <i>et al.</i>
3,023,309	02/1962	Foulkes
3,069,679	12/1962	Sweeney <i>et al.</i>
3,104,393	09/1963	Vogelman
3,114,106	12/1963	McManus
3,118,117	01/1964	King <i>et al.</i>
3,226,643	12/1965	McNair
3,258,694	06/1966	Shepherd
3,383,598	05/1968	Sanders
3,384,822	05/1968	Miyagi
3,454,718	07/1969	Perreault
3,523,291	08/1970	Pierret

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This collection of information is required by 37 CFR 1.322, 1.323 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 10 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
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Page 2 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 1)

Please add the following references:

3,548,342	12/1970	Maxey
3,555,428	01/1971	Perreault
3,614,627	10/1971	Runyan <i>et al.</i>
3,617,892	11/1971	Hawley <i>et al.</i>
3,617,898	11/1971	Janning, Jr.
3,621,402	11/1971	Gardner
3,623,160	11/1971	Giles <i>et al.</i>
3,626,417	12/1971	Gilbert
3,629,696	12/1971	Bartelink
3,641,442	02/1972	Boucher
3,662,268	05/1972	Gans <i>et al.</i>
3,689,841	09/1972	Bello <i>et al.</i>
3,694,754	09/1972	Baltzer
3,714,577	01/1973	Hayes
3,716,730	02/1973	Cerny, Jr.
3,717,844	02/1973	Barret <i>et al.</i>
3,719,903	03/1973	Goodson
3,735,048	05/1973	Tomsa <i>et al.</i>
3,737,778	06/1973	Van Gerwen <i>et al.</i>
3,739,282	06/1973	Bruch <i>et al.</i>
3,764,921	10/1973	Huad
3,806,811	04/1974	Thompson
3,868,601	02/1975	MacAfee
3,940,697	02/1976	Morgan
3,949,300	04/1976	Sadler
3,967,202	06/1976	Batz

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 3 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 2)

Please add the following references:

3,980,945	09/1976	Bickford
3,987,280	10/1976	Bauer
3,991,277	11/1976	Hirata
4,003,002	01/1977	Snijders <i>et al.</i>
4,013,966	03/1977	Campbell
4,016,366	04/1977	Kurata
4,017,798	04/1977	Gordy <i>et al.</i>
4,019,140	04/1977	Swordlow
4,032,847	06/1977	Unkauf
4,035,732	07/1977	Lohrmann
4,045,740	08/1977	Baker
4,047,121	09/1977	Campbell
4,051,475	09/1977	Campbell
4,066,841	01/1978	Young
4,066,919	01/1978	Huntington
4,080,573	03/1978	Howell
4,081,748	03/1978	Batz
4,115,737	09/1978	Hongu <i>et al.</i>
4,130,765	12/1978	Arakelian <i>et al.</i>
4,130,806	12/1978	Van Gerwen <i>et al.</i>
4,142,155	02/1979	Adachi
4,143,322	03/1979	Shimamura
4,158,149	06/1979	Otofuji
4,170,764	10/1979	Salz <i>et al.</i>
4,204,171	05/1980	Sutphin, Jr.
4,210,872	07/1980	Gregorian

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 4 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 3)

Please add the following references:

4,241,451	12/1980	Maixner <i>et al.</i>
4,245,355	01/1981	Pascoe <i>et al.</i>
4,253,066	02/1981	Fisher <i>et al.</i>
4,253,067	02/1981	Caples <i>et al.</i>
4,253,069	02/1981	Nosseck
4,286,283	08/1981	Clemens
4,308,614	12/1981	Fisher <i>et al.</i>
4,320,361	03/1982	Kikkert
4,320,536	03/1982	Dietrich
4,334,324	06/1982	Hoover
4,346,477	08/1982	Gordy
4,355,401	10/1982	Ikoma <i>et al.</i>
4,356,558	10/1982	Owen <i>et al.</i>
4,360,867	11/1982	Gonda
4,363,132	12/1982	Collin
4,365,217	12/1982	Berger <i>et al.</i>
4,369,522	01/1983	Cerny, Jr. <i>et al.</i>
4,370,572	01/1983	Cosand <i>et al.</i>
4,380,828	04/1983	Moon
4,389,579	06/1983	Stein
4,392,255	07/1983	Del Giudice
4,393,395	07/1983	Hacke <i>et al.</i>
4,430,629	02/1984	Betzel <i>et al.</i>
4,439,787	03/1984	Mogi <i>et al.</i>
4,446,438	05/1984	Chang <i>et al.</i>
4,456,990	06/1984	Fisher <i>et al.</i>

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Page 5 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 4)

Please add the following references:

4,472,785	09/1984	Kasuga
4,479,226	10/1984	Prabhu <i>et al.</i>
4,481,490	11/1984	Huntley
4,481,642	11/1984	Hanson
4,484,143	11/1984	French <i>et al.</i>
4,485,488	11/1984	Houdart
4,504,803	03/1985	Lee <i>et al.</i>
4,517,519	05/1985	Mukaiyama
4,517,520	05/1985	Ogawa
4,518,935	05/1985	van Roermund
4,521,892	06/1985	Vance <i>et al.</i>
4,562,414	12/1985	Linder <i>et al.</i>
4,577,157	03/1986	Reed
4,583,239	04/1986	Vance
4,591,736	05/1986	Hirao <i>et al.</i>
4,591,930	05/1986	Baumeister
4,563,773	07/1986	Dixon, Jr. <i>et al.</i>
4,602,220	07/1986	Kurihara
4,603,300	07/1986	Welles, II <i>et al.</i>
4,612,464	09/1986	Ishikawa <i>et al.</i>
4,612,518	09/1986	Gans <i>et al.</i>
4,616,191	10/1986	Galani <i>et al.</i>
4,621,217	11/1986	Saxe <i>et al.</i>
4,628,517	12/1986	Schwarz <i>et al.</i>
4,634,998	01/1987	Crawford
4,648,021	03/1987	Alberkrack

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 6 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 5)

Please add the following references:

4,651,034	03/1987	Sato
4,653,117	03/1987	Heck
4,675,882	06/1987	Lillie <i>et al.</i>
4,688,253	08/1987	Gumm
4,716,376	12/1987	Daudelin
4,716,388	12/1987	Jacobs
4,718,113	01/1988	Rother <i>et al.</i>
4,726,041	02/1988	Prohaska <i>et al.</i>
4,733,403	03/1988	Simone
4,734,591	03/1988	Ichitsubo
4,737,969	04/1988	Steel <i>et al.</i>
4,740,675	04/1988	Brosnan <i>et al.</i>
4,740,792	04/1988	Sagey <i>et al.</i>
4,743,858	05/1988	Everard
4,745,463	05/1988	Lu
4,751,468	06/1988	Agoston
4,757,538	07/1988	Zink
4,768,187	08/1988	Marshall
4,769,612	09/1988	Tamakoshi <i>et al.</i>
4,785,463	11/1988	Janc <i>et al.</i>
4,789,837	12/1988	Ridgers
4,791,584	12/1988	Greivenkamp, Jr.
4,801,823	01/1989	Yokoyama
4,806,790	02/1989	Sone
4,810,904	03/1989	Crawford
4,810,976	03/1989	Cowley <i>et al.</i>

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UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

Page 7 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 6)

Please add the following references:

4,811,362	03/1989	Yester, Jr. <i>et al.</i>
4,811,422	03/1989	Kahn
4,814,649	03/1989	Young
4,816,704	03/1989	Fiori, Jr.
4,819,252	04/1989	Christopher
4,833,445	05/1989	Buchele
4,841,265	06/1989	Watanabe <i>et al.</i>
4,845,389	07/1989	Pyndiah <i>et al.</i>
4,855,894	08/1989	Asahi <i>et al.</i>
4,862,121	08/1989	Hochschild <i>et al.</i>
4,866,441	09/1989	Conway <i>et al.</i>
4,868,654	09/1989	Juri <i>et al.</i>
4,870,659	09/1989	Oishi <i>et al.</i>
4,871,987	10/1989	Kawase
4,885,587	12/1989	Wiegand <i>et al.</i>
4,885,671	12/1989	Peil
4,885,756	12/1989	Fontanes <i>et al.</i>
4,888,557	12/1989	Puckette, IV <i>et al.</i>
4,890,302	12/1989	Muilwijk
4,893,316	01/1990	Janc <i>et al.</i>
4,893,341	01/1990	Gehring
4,894,766	01/1990	De Agro
4,896,152	01/1990	Tiemann
4,902,979	02/1990	Puckette, IV
4,908,579	03/1990	Tawfik <i>et al.</i>
4,910,752	03/1990	Yester, Jr. <i>et al.</i>

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Atty. Dkt. No. 1744.0250001

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 8 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

It is certified that error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 7)

Please add the following references:

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5,052,050	09/1991	Collier <i>et al.</i>
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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 9 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Letters Patent is hereby corrected as shown below.

Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 8)

Please add the following references:

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 10 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 9)

Please add the following references:

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Page 11 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 10)

Please add the following references:

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 12 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 11)

Please add the following references:

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Page 13 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 12)

Please add the following references:

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Page 14 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 13)

Please add the following references:

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 14)

Please add the following references:

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PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Title Page, Item [56], U.S. PATENT DOCUMENTS Section (Continued from page 15)

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 17 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Page 20 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Page 25 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Copy of Declaration of Alex Holtz filed in patent application Ser. No. 09/176,022, which is directed to related subject matter.

Copy of Declaration of Richard C. Looke filed in patent application Ser. No. 09/176,022, which is directed to related subject matter.

Copy of Declaration of Charley D. Moses, Jr. filed in patent application Ser. No. 09/176,022, which is directed to related subject matter.

Copy of Declaration of Jeffrey L. Parker and David F. Sorrells, with attachment Exhibit 1, filed in patent application Ser. No. 09/176,022, which is directed to related subject matter.

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PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 32 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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Page 35 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

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PATENT NO: 7,209,725

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 39 of 45

PATENT NO: 7,209,725

DATED: April 24, 2007

INVENTOR(S): Sorrells *et al.*

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